

2. Inspect the brake drum cover dust seal (**Figure 51**) for excessive wear or damage. If necessary, replace the dust seal as follows:
 - a. Support the brake drum cover and drive the dust seal out of the cover.
 - b. Clean the dust seal mounting bore.
 - c. Install a new dust seal by driving or pressing it into the brake drum cover. Apply pressure against the outer dust seal surface with a suitable bearing driver.
 - d. Pack the dust seal lip with grease.
3. Check the brake drum surface (**A**, **Figure 52**) for oil or grease and clean it with a rag soaked in lacquer thinner. Check the brake shoe linings for contamination.

WARNING

Do not clean the brake drum with any type of solvent that may leave an oil residue.

4. Clean the brake drum in a detergent solution, then dry it thoroughly to prevent rust from forming on the drum surface.

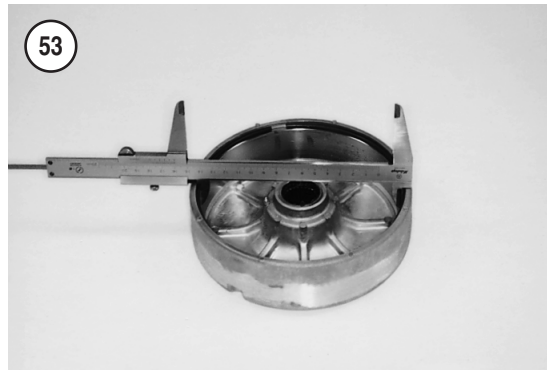
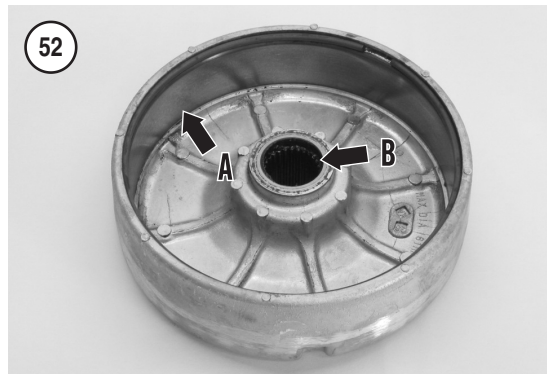
WARNING

Discard the detergent solution and wash your hands.

5. Check the drum contact surface (**A**, **Figure 52**) for scoring or other damage.
6. Inspect the brake drum for cracks or damage.
7. Inspect the drum splines (**B**, **Figure 52**) for twisting or damage.
8. Measure the brake drum inside diameter (**Figure 53**) and compare the measurement to the service limit in **Table 2**.

Installation

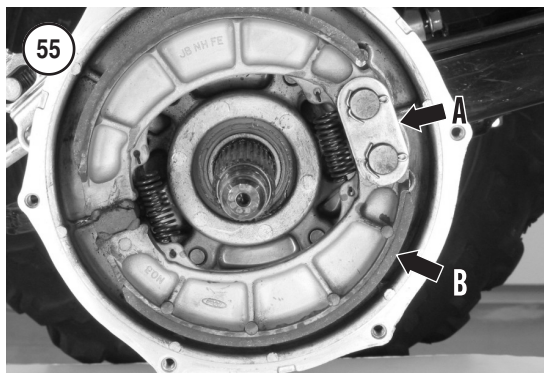
1. Apply grease to the brake drum cover dust seal lips (**Figure 51**).
2. Lubricate the brake drum splines (**B**, **Figure 52**) with grease.
3. Lightly lubricate the brake drum cover O-ring (**Figure 49**) with oil before installing it into the brake panel.
4. Slide the brake drum (**A**, **Figure 50**) over the rear axle and brake shoes.
5. Install the brake drum cover (**B**, **Figure 48**) and its mounting bolts. Tighten the brake drum cover mounting bolts securely.



6. Install the right rear hub (**A**, **Figure 48**) as described in Chapter Twelve.
7. Install the right side rear wheel (Chapter Twelve).
8. Adjust the rear brake as described in Chapter Three.

REAR BRAKE SHOE REPLACEMENT

There is no recommended mileage interval for changing the rear brake shoes. Lining wear depends on riding habits and conditions.



Refer to **Figure 47**.

1. Remove the rear brake drum as described in this chapter.
2. Determine rear brake shoe lining wear using the procedure in *Rear Brake Lining Check* in Chapter Three. However, always measure the brake lining thickness (**Table 2**) with a vernier caliper (**Figure 54**) after removing the brake drum to check for uneven wear. Replace both brake shoes at the same time.

CAUTION

To protect brake shoes suitable for re-installation from oil and grease, place

a clean shop cloth on the linings during removal.

NOTE

When reusing the brake shoes, mark them so they can be installed in their original mounting positions.

3. Remove the cotter pins and washer (A, **Figure 55**) and brake shoes (B).
4. Disconnect the brake shoe springs and separate the brake shoes.
5. Inspect the springs and replace them if there are any bent or unequally spaced coils.

NOTE

Always replace both springs at the same time.

6. Remove old grease from the camshaft and anchor pin surfaces.
7. Apply a light coat of high-temperature brake grease to the camshaft and anchor pins. Avoid getting any grease on the brake panel where the brake linings can make contact.
8. Install the springs onto the brake shoes.
9. Install the brake shoes onto the brake cam and anchor pins.
10. Install the washer (**Figure 56**) with its chamfered side facing toward the brake shoes.
11. Install two new cotter pins and bend their ends over to lock into place.
12. Install the rear brake drum as described in this chapter.
13. Adjust the rear brake (Chapter Three).

13

REAR BRAKE PANEL

The brake panel can be removed with the brake shoes attached. When servicing the brake panel, remove the brake shoes before removing the brake panel.

Refer to **Figure 47**.

Removal/Installation

1. Remove the rear brake drum as described in this chapter.

NOTE

Brake cables can be left attached to the brake panel if brake panel service is not required.

Copyright of Honda TRX350 RANCHER, 2000-2006 is the property of Penton Media, Inc. ("Clymer") and its content may not be copied or emailed to multiple sites or posted to a listserv without the copyright holder's express written permission. However, users may print, download, or email articles for individual use.